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Service Information Bulletin

SUBJECT	DATE
Power Take-Off Output Seal	June 2017

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0140	DT12 Transmission	Removal of the Power Take-Off Output Seal	These are new sections.
		Installation of the Power Take-Off Output Seal	

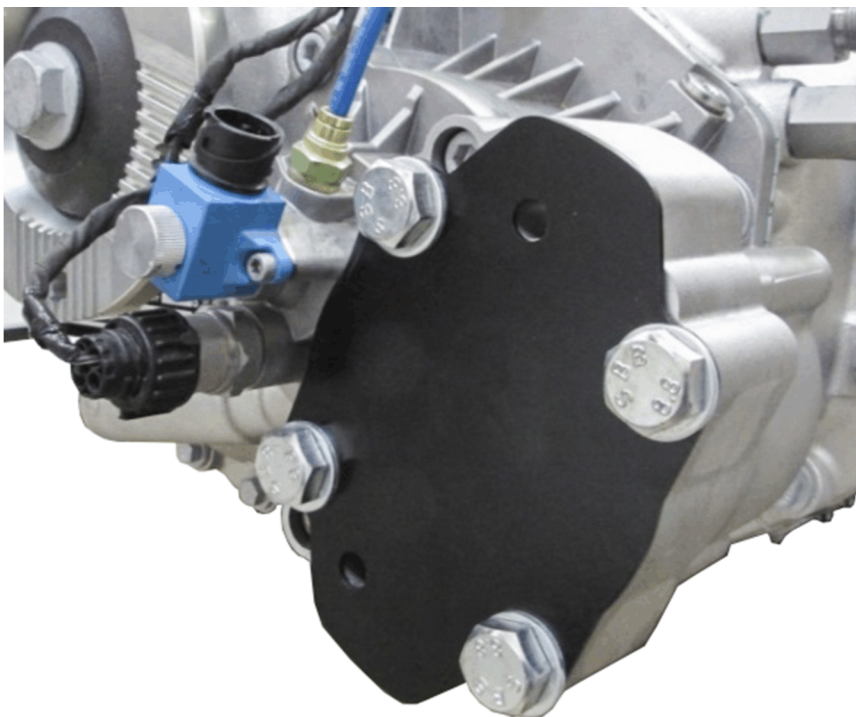


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2 Removal of the Power Take-Off Output Seal

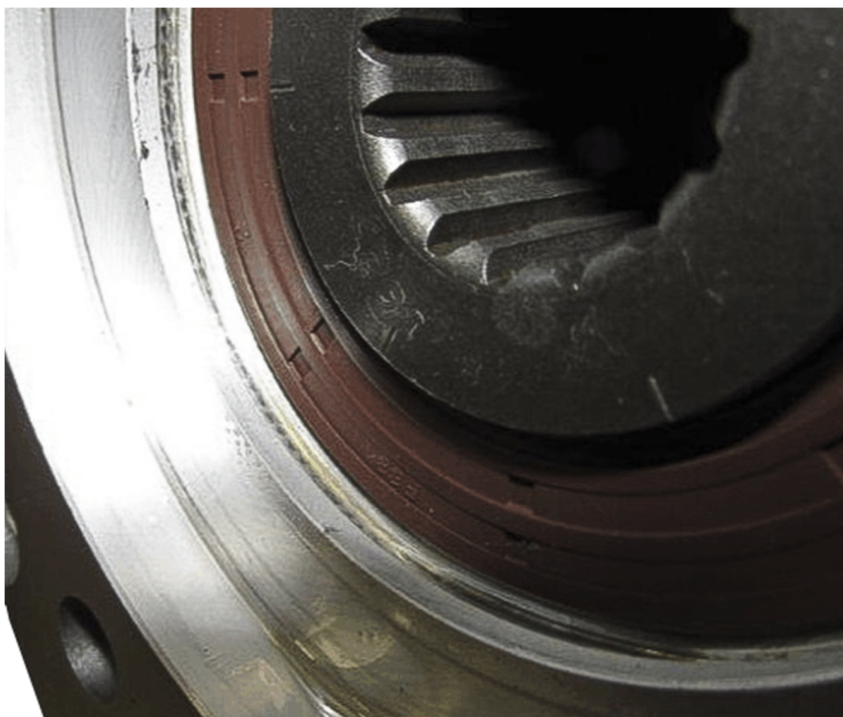
Remove as follows:

1. Shut off the engine, apply the parking brake, chock the wheels, and perform any other applicable safety steps.
2. Remove the quick-disconnect chassis fairing, if applicable.
3. Raise the rear of the vehicle to minimize the amount of oil loss during the seal removal and installation process.
4. Remove the cover plate, pump, or PTO driveline and flange, whichever applies, for access to the seal.



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5. Remove the seal retaining snap ring.



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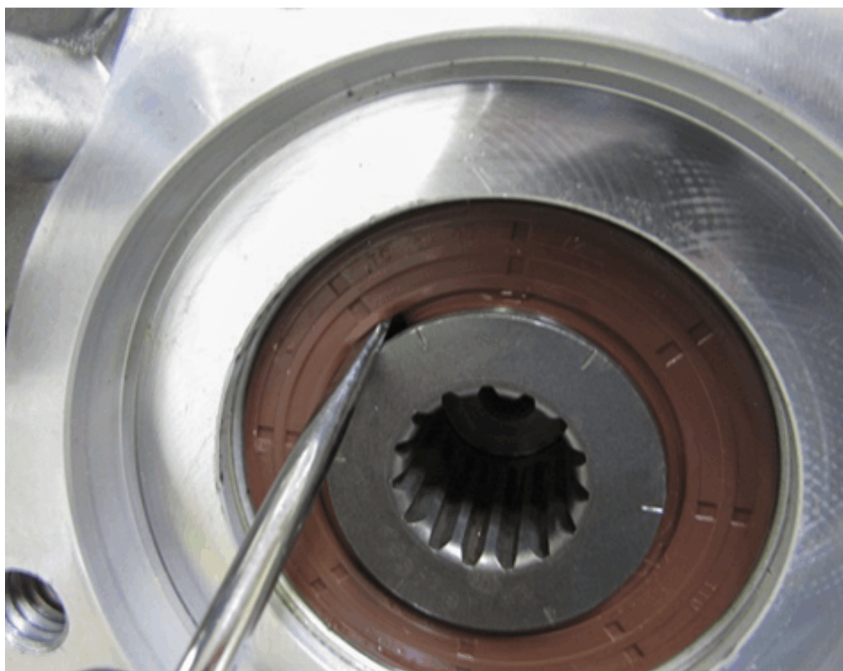
NOTE: Be careful not to scratch the sealing surface of the PTO output shaft.

6. To remove the seal, determine location of the inside diameter edge of the metal reinforcement ring of the seal.



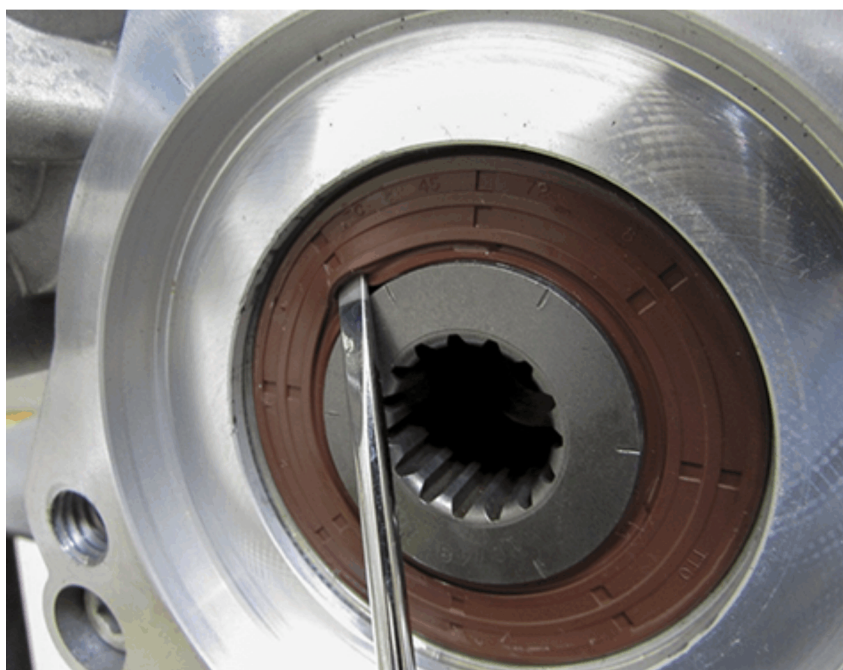
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7. Push a screwdriver into the bearing cavity, pointing it away from the sealing surface of the output shaft.



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8. Pry under the metal reinforcing ring, using the back edge of the output shaft, to extract the seal.



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3 Installation of the Power Take-Off Output Seal

Table 1.

Special Tool - DSN012T16002 - Seal Driver Set	
	
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Install as follows:

1. Insert the seal guide into the output shaft spline cavity.



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2. Use transmission oil or petroleum jelly to grease the lip area of the new seal.
3. Set the seal into position on the seal guide.

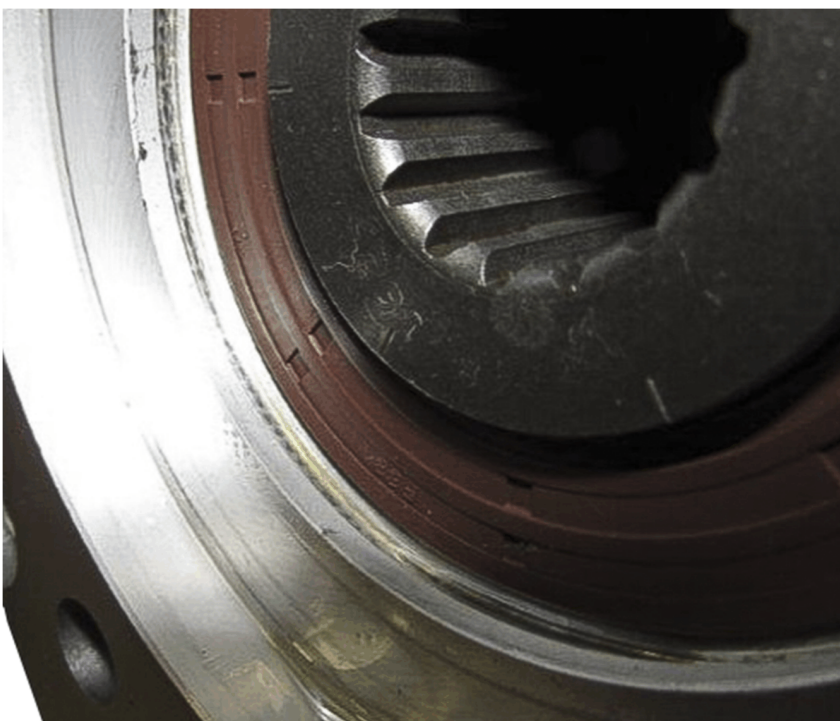


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4. Drive the seal into position until the depth shoulder is against the face of the housing. The driver seats the seal to the proper depth.

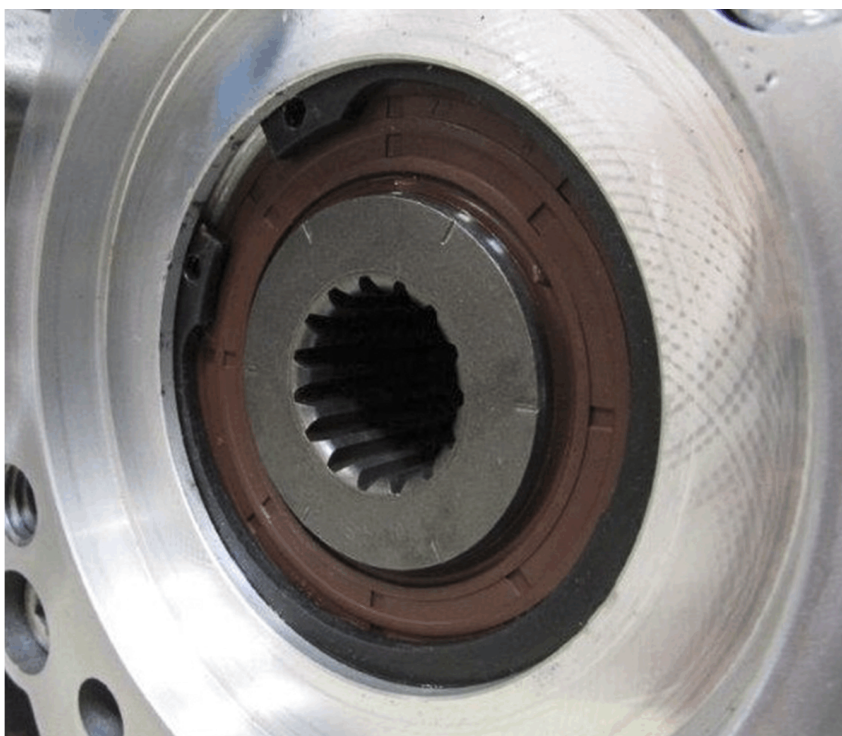


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5. Remove the seal guide.
6. Install the snap ring.



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7. Install the cover plate or customer installed equipment onto the PTO unit. Torque the bolts to 25 N·m (18 lb·ft).
8. Lower the vehicle.
9. Top off the transmission oil level, as required, using the approved Detroit Synthetic Transmission fluid.
10. Install the chassis fairing, if applicable.